

CLAIMS

1. A device which transmits an ISMA media stream subjected to MPEG-4 IPMP extension, wherein

an ISMA media stream having an ISMA header and including contents
5 as a payload is constituted,

an IPMP tool list descriptor representing, as a tool required for processing of the contents, at least one tool selected from a group including an IPMP tool, an ISMA Cryp decryption tool, and a key management system (KMS) tool is buried in the media stream, and

10 the ISMA media stream is transmitted.

2. The transmitting device according to claim 1, wherein the IPMP tool list descriptor is buried in an IOD of the ISMA media stream.

15 3. A device which transmits an ISMA media stream subjected to MPEG-4 IPMP extension, wherein

an ISMA media stream having an ISMA header and including contents as a payload is constituted,

20 an IPMP descriptor representing, as a tool required for processing of the contents, at least one tool selected from a group including an IPMP tool, an ISMA Cryp decryption tool, and a key management system (KMS) tool is buried in the media stream, and

the ISMA media stream is transmitted.

25 4. The transmitting device according to claim 3, wherein an IPMP descriptor

pointer indicating the IPMP descriptor is buried in the ISMA media stream.

5. The transmitting device according to claim 3, wherein the IPMP descriptor pointer is buried in an ES descriptor of the ISMA media stream.

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6. The transmitting device according to any one of claims 3 to 5, wherein an IPMP tool list descriptor representing at least one tool is buried in the ISMA media stream independently of the IPMP descriptor.

10 7. The Transmitting device according to any one of claims 1 to 6, wherein an ISMA Cryp parameter used in the ISMA Cryp decryption tool is stored in ISMA Cryp_Data extended from IPMP_Data_Base Class.

8. The Transmitting device according to claim 7, wherein the ISMA
15 Cryp_Data is stored in an IPMP descriptor stored in an OD of the IPMP media stream.

9. The Transmitting device according to claim 7, wherein the ISMA Cryp_Data is stored in an IPMP_Message stored in the IPMP media stream.